

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in the application:

Claim 1. (Currently Amended) A stereoscopic lens unit comprising:

a zoom lens;

a first lens group located subsequent to said zoom lens;

a second lens group located subsequent to said first lens group;

light quantity adjusting means arranged between said first lens group and said second lens group;

an electronic optical shutter arranged between said first lens group and said second lens group and including a first portion corresponding to a right image and a second portion corresponding to a left image; and

an optical shutter driving portion for controlling said electronic optical shutter to open in a predetermined pattern,

wherein said predetermined pattern changes corresponding to a zoom condition of said zoom lens.

Claim 2. (Previously Presented) The lens unit according to claim 1, wherein said light quantity adjusting means comprises a diaphragm for changing a size of an opening mechanically.

Claim 3. (Currently Amended) The lens unit according to claim 1, wherein said light quantity adjusting means comprises an optional optical filter.

Claim 4. (Previously Presented) The lens unit according to claim 1, wherein said electronic optical shutter is disposed near said light quantity adjusting means.

Claim 5. (Previously Presented) The lens unit according to claim 1, wherein said electronic optical shutter is composed of first and second liquid shutters.

Claim 6. (Previously Presented) The lens unit according to claim 1, wherein said predetermined pattern is switched to a pattern having an opening on the right and a pattern having an opening on the left alternately, corresponding to said first and second portions, respectively.

Claim 7. (Canceled)

Claim 8. (Previously Presented) The lens unit according to claim 1, wherein said electronic optical shutter is utilized simultaneously as said light quantity adjusting means.

Claim 9. (Previously Presented) The lens unit according to claim 8, wherein said electronic optical shutter is composed of first and second liquid shutters.

Claim 10. (Currently Amended) A stereoscopic camera comprising:

a zoom lens;

a first lens group located subsequent to said zoom lens;

a second lens group located subsequent to said first lens group;

light quantity adjusting means arranged between said first lens group and said second lens group;

an electronic optical shutter arranged between said first lens group and said second lens group and including a first portion corresponding to a right image and a second portion corresponding to a left image; and

an optical shutter driving portion for controlling said electronic optical shutter to open in a predetermined pattern,

wherein said predetermined pattern changes corresponding to a zoom condition of said zoom lens.

Claim 11. (Previously Presented) The camera according to claim 10, wherein said light quantity adjusting means comprises a diaphragm for changing a size of an opening thereof mechanically.

Claim 12. (Previously Presented) The camera according to claim 10, wherein said light quantity adjusting means comprises an optical filter.

Claim 13. (Previously Presented) The camera according to claim 10, wherein said electronic optical shutter is disposed near said light quantity adjusting means.

Claim 14. (Previously Presented) The camera according to claim 10, wherein said electronic optical shutter is composed of first and second liquid shutters.

Claim 15. (Previously Presented) The camera according to claim 10, wherein said predetermined pattern is switched to a pattern having an opening on the right and a pattern having an opening on the left alternately, corresponding to said first and second portions, respectively.

Claim 16. (Cancelled)

Claim 17. (Previously Presented) The camera according to claim 10, wherein said electronic optical shutter is utilized simultaneously as said light quantity adjusting means.

Claim 18. (Previously Presented) The camera according to claim 17, wherein said electronic optical shutter is composed of [[a]] first and second liquid shutters.

Claim 19. (Cancelled)